5

10

## Abstract of the Disclosure

The present invention is directed to a method of reducing the nicotine content of a tobacco plant to less than addictive levels. The method includes the step of administering to the tobacco plant an effective amount of a nicotine reducing agent sufficient to reduce the level of nicotine in the tobacco plant so that the resulting nicotine content in the plant is reduced to a level wherein a tobacco product produced from the plant will yield a non-addictive level of nicotine in the central nervous system blood plasma of the user. The present invention is further directed to tobacco plants prepared by the method.